

CLAIM AMENDMENTS

1. (Currently Amended) An image forming apparatus, comprising:
 - a housing, including a metallic frame;
 - a photoconductive member including a shaft removably mounted to said metallic frame;
 - and
 - an electrical connector assembly associated with said photoconductive member, the electrical connector assembly comprising a nonconductive wall disposed between an electrical contact and said shaft, the electrical contact being operative to bias said photoconductive member to an operating voltage without biasing said shaft to said operating voltage.
2. (Original) The apparatus of claim 1, said shaft including a bearing, wherein said bearing mounts to said frame.
3. (Original) The apparatus of claim 2 wherein said bearing mounts to a V-shaped receptacle in said frame.
4. (Original) The apparatus of claim 1 further comprising a subunit detachable from said housing, and wherein said photoconductive member is mounted to said subunit.

5. (Currently Amended) A photoconductive member for an image forming apparatus, comprising:
 - a hollow, conductive cylindrical drum;
 - an insulating end cap disposed axially at least partially within said drum, said end cap including a bore that is at least partly defined by a cylindrical inner wall;
 - a shaft disposed axially through said drum and said bore and spaced from said drum, said shaft electrically isolated from said drum by said end cap; and
 - an electrical contact assembly operative to bias said drum, but not said shaft, to an operating voltage,
said cylindrical inner wall being disposed between said electrical contact assembly and
said shaft.
6. (Original) The photoconductive member of claim 5 wherein said electrical contact assembly electrically contacts said drum at the interior surface thereof.
7. (Original) The photoconductive member of claim 5 wherein said electrical contact assembly protrudes at least partially through said end cap to the interior of said drum.
8. (Original) The photoconductive member of claim 5 wherein said electrical contact assembly protrudes at least partially external to said end cap to an electrical contact disposed in said image forming apparatus.
9. Cancelled

10. (Currently Amended) ~~The photoconductive member of claim 9 wherein said electrical contact assembly comprises~~ A photoconductive member for an image forming apparatus, comprising:

a hollow, conductive cylindrical drum;
an insulating end cap disposed axially at least partially within said drum, said end cap including a bore and further comprising a cup having an outer cylindrical wall, a floor, and an inner cylindrical wall defining said bore, said outer and inner walls and said floor defining an annular space;
a shaft disposed axially through said drum and said bore and spaced from said drum, said shaft electrically isolated from said drum by said end cap; and
an electrical contact assembly operative to bias said drum, but not said shaft, to an operating voltage, said electrical contact assembly comprising an annular conductive hub disposed in said end cap annular space.

11. (Original) The photoconductive member of claim 10 wherein said annular conductive hub is formed of conductive plastic.

12. (Original) The photoconductive member of claim 10 wherein said conductive hub includes at least one protrusion disposed through a hole in said end cap floor and into the interior of said drum.

13. (Original) The photoconductive member of claim 12 wherein said electrical contact assembly further comprises an internal contact electrically connected between said conductive hub protrusion and the interior surface of said drum.

14. (Original) The photoconductive member of claim 10 wherein said electrical contact assembly further comprises an external electrical contact electrically connected to said conductive hub and protruding at least partially from said end cap.

15. (Currently Amended) A photoconductive member for an image forming apparatus, comprising:

a hollow cylindrical member having an exterior surface operative to receive a latent image; and

an electrically conductive brake member operative to reduce the rotational velocity of said cylindrical member, said brake member additionally biasing said cylindrical member to an operating voltage; and

an insulating end cap disposed axially within said hollow cylindrical member, said end cap including an inner wall, said brake member comprising a coil disposed around the inner wall and operative to impart a torque on said cylindrical member.

16. (Original) The photoconductive member of claim 15 wherein said electrically conductive brake member includes an arm protruding from said photoconductive member and contacting an electrical contact separate from said photoconductive member.

17. Cancelled

18. (Original) The photoconductive member of claim 15 wherein said electrically conductive brake member biases said cylindrical member by electrical contact on the interior surface thereof.

19. (Original) The photoconductive member of claim 15 further comprising a shaft disposed axially through, and electrically isolated from, both said cylindrical member and said brake member.

20. (Currently Amended) A photoconductive member for an image forming apparatus, comprising:

a hollow cylindrical member having an exterior surface operative to receive a latent image;

a shaft disposed axially through, and electrically isolated from, said cylindrical member; and

an electrical contact operative to bias said cylindrical member to an operating voltage by contact with the interior surface of said cylindrical member, wherein said electrical contact does not bias said shaft to said operating voltage as said electrical contact is electrically isolated from said shaft by an insulating end cap that is disposed between said electrical contact and said shaft.

21. (Original) The photoconductive member of claim 20 wherein said electrical contact is disposed in one end of said cylindrical member.

22. Cancelled

23. (Currently Amended) The photoconductive member of claim [[22]] 20 wherein said insulating end cap includes a bore through which said shaft is disposed, said bore operative to axially position said shaft in said cylindrical member and electrically isolate said shaft from said cylindrical member.

24. (Currently Amended) The photoconductive member of claim [[22]] 20 wherein said electrical contact protrudes through said end cap to contact the interior of said cylindrical member.

25. (Currently Amended) A method of electrically biasing a photoconductive member for an image forming apparatus having a metallic frame, to an operating voltage, said photoconductive member including a hollow, cylindrical member and a shaft having bearings thereon axially disposed in said cylindrical member, comprising:
mounting said photoconductive member in said image forming apparatus such that said shaft bearings connect to receiving voids formed in said metallic frame,
electrically isolating said shaft from said cylindrical member; and
biasing said cylindrical member to said operating voltage by electrically connecting an electrical contact to the interior surface of said hollow cylindrical member while interposing an insulating wall at least partly between said electrical contact and said shaft.

26. (Currently Amended) The method of claim 25-~~wherein biasing said cylindrical member to said operating voltage comprises electrically connecting an electrical contact disposed in said image forming apparatus to the interior surface of said hollow cylindrical member further comprising electrically connecting a conductive hub to the electrical contact and to the interior surface of said hollow cylindrical member while interposing said insulating wall at least partly between said conductive hub and said shaft.~~